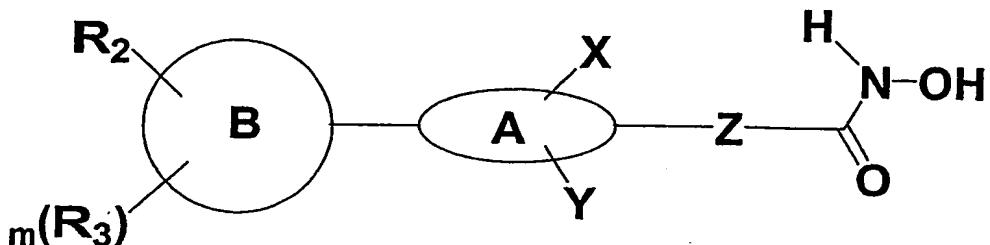


What is claimed is:

1. A compound of the Formula (I)



Formula (I)

wherein

5

Z is a single bond or a C₁-C₄ hydrocarbon chain containing no more than 1 double or triple bond, optionally substituted with one or more substituents independently selected from the group consisting of C₁-C₄ alkyl;

10 A is an aromatic ring selected from the group consisting of optionally substituted arylene and optionally substituted heteroarylene, wherein A is not benzimidazole and when Z is a single bond then A is not selected from the group consisting of phenylene and six-membered heteroarylene containing 3 or less than 3 nitrogens;

15 B is an aromatic ring selected from the group consisting of optionally substituted aryl, optionally substituted arylene, optionally substituted heteroaryl and optionally substituted heteroarylene and wherein A and B can not both be phenylene and wherein when Z is a single bond then B is not a bicyclic aryl or bicyclic heteroaryl;

20 wherein A and B are connected via a carbon-carbon bond;

R₂ is selected from the group consisting of halogen, alkyl, alkenyl, alkynyl, haloalkyl, haloalkenyl, heteroalkyl, cycloalkyl, cycloalkenyl, heterocycloalkyl, heterocycloalkenyl, aryl, heteroaryl, cycloalkylalkyl, heterocycloalkylalkyl, arylalkyl, heteroarylalkyl, arylalkenyl, cycloalkylheteroalkyl, heterocycloalkylheteroalkyl, heteroarylheteroalkyl, arylheteroalkyl, hydroxy, hydroxyalkyl, alkoxy, alkoxyalkyl, alkoxyaryl, alkenyloxy, alkynyoxy, cycloalkylkoxo, heterocycloalkyloxy, aryloxy, heteroaryloxy, arylalkyloxy, amino, alkylamino, aminoalkyl, acylamino, arylamino, phenoxy, benzyloxy, COOH, COOR₄, SH, CONHR₄, NHR₄, -(CH₂)_nNHCOR₄, NHCOR₄, 25 NHCOOR₄ NHCONHR₄, C(=NOH)R₄, NHSOR₄ NHSO₂R₄, -(CH₂)_n-NR₆R₇, alkoxy carbonyl, 30

alkylaminocarbonyl, sulfonyl, alkylsulfonyl, alkylsulfinyl, arylsulfonyl, arylsulfinyl, aminosulfonyl, aminosulfinyl, SR₄ and acyl each of which may optionally be substituted, provided that R₂ does not contain the moiety NHCONHCO or NHCONHSO₂;

R₃ is selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, 5 haloalkyl, haloalkenyl, heteroalkyl, cycloalkyl, cycloalkenyl, heterocycloalkyl, heterocycloalkenyl, aryl, heteroaryl, cycloalkylalkyl, heterocycloalkylalkyl, arylalkyl, heteroarylalkyl, arylalkenyl, cycloalkylheteroalkyl, heterocycloalkylheteroalkyl, heteroarylheteroalkyl, arylheteroalkyl, hydroxy, hydroxyalkyl, alkoxy, alkoxyalkyl, alkoxyaryl, alkenyloxy, alkynyoxy, cycloalkylkoxy, heterocycloalkyloxy, aryloxy, heteroaryloxy, arylalkyloxy, amino, alkylamino, aminoalkyl, acylamino, arylamino, phenoxy, benzyloxy, COOH, COOR₄, SH, CONHR₄, NHR₄, -(CH₂)_nNHCOR₄, NHCOR₄, NHCOOR₄ NHCONHR₄, C(=NOH)R₄, NHSOR₄ NSO₂R₄, -(CH₂)_n-NR₆R₇, alkoxy carbonyl, alkylaminocarbonyl, sulfonyl, alkylsulfonyl, alkylsulfinyl, arylsulfonyl, arylsulfinyl, aminosulfonyl, aminosulfinyl, SR₄ and acyl; each of which may optionally be substituted 10 provided that R₃ does not contain the moiety NHCONHCO or NHCONHSO₂;

or R₂ and R₃ together with portion of ring B may form a non-aromatic ring fused to B;

20 X and Y are the same or different and are independently selected from the group consisting of H, halogen, -CN, -NO₂, -CF₃, -OCF₃, alkyl, alkenyl, alkynyl, haloalkyl, haloalkenyl, haloalkynyl, heteroalkyl, cycloalkyl, cycloalkenyl, heterocycloalkyl, heterocycloalkenyl, heteroaryl, hydroxy, hydroxyalkyl, alkoxy, alkoxyalkyl, alkoxyaryl, alkoxyheteroaryl, alkenyloxy, alkynyoxy, cycloalkyloxy, cycloalkenyloxy, heterocycloalkyloxy, heterocycloalkenyloxy, aryloxy, heteroaryloxy, arylalkyl, heteroarylalkyl, arylalkyloxy, amino, alkylamino, acylamino, aminoalkyl, arylamino, sulfonylamino, sulfinylamino, sulfonyl, alkylsulfonyl, arylsulfonyl, aminosulfonyl, aminoalkyl, alkoxyalkyl, -COOH, -C(O)OR₄, -COR₄, -SH, -SR₄, -OR₄, acyl and -NR₈R₉ 25 each of which may be optionally substituted;

30 each R₄ is independently selected from the group consisting of H, alkyl, alkenyl, alkynyl, haloalkyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, cycloalkylalkyl, heterocycloalkylalkyl, arylalkyl, heteroarylalkyl and acyl each of which may be optionally substituted;

35 each R₆ and R₇ is independently selected from the group consisting of H, alkyl, alkenyl, alkynyl, haloalkyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl,

cycloalkylalkyl, heterocycloalkylalkyl, arylalkyl, heteroarylalkyl and acyl; each of which may be optionally substituted;

5 each R_8 and R_9 is independently selected from the group consisting of H, alkyl, alkenyl, alkynyl, haloalkyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, cycloalkylalkyl, heterocycloalkylalkyl, arylalkyl, heteroarylalkyl and acyl; each of which may be optionally substituted;

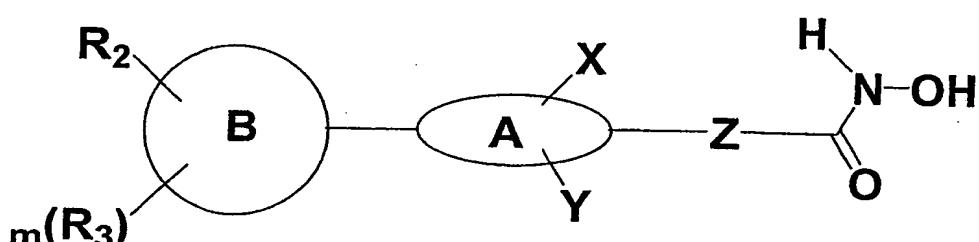
n is an integer from 0 to 6,

10

m is an integer from 0 to 4;

or a pharmaceutically acceptable salt or prodrug thereof.

15 2. A compound according to claim 1 having the Formula (Ia)



Formula (Ia)

wherein

20 Z is a single bond or a C₁-C₄ hydrocarbon chain which may contain 0 to 1 double or triple bonds, unsubstituted or substituted with one or more substituents independently selected from the group consisting of C₁-C₄ alkyl;

25 A is an aromatic ring selected from the group consisting of optionally substituted arylene and optionally substituted heteroarylene, wherein A is not benzimidazole and when Z is a single bond then A is not selected from the group consisting of phenylene and six-membered heteroarylene containing 3 or less than 3 nitrogens;

30 B is an aromatic ring selected from the group consisting of optionally substituted aryl, optionally substituted arylene, optionally substituted heteroaryl and optionally

substituted heteroarylene and wherein A and B can not both be phenylene and wherein when Z is a single bond then B is not a bicyclic aryl or bicyclic heteroaryl;

wherein A and B are connected via a carbon-carbon bond;

5

R_2 is selected from C_1-C_{10} alkyl, alkenyl, heteroalkyl, haloalkyl, alkynyl, aryl, cycloalkyl, heterocycloalkyl, heteroaryl, C_4-C_9 heterocycloalkylalkyl, cycloalkylalkyl (e.g., cyclopropylmethyl), arylalkyl (e.g. benzyl), heteroarylalkyl (e.g. pyridylmethyl), hydroxyl, hydroxyalkyl, alkoxy, amino, alkylamino, aminoalkyl, acylamino, phenoxy, alkoxyalkyl, 10 benzyloxy, alkylsulfonyl, arylsulfonyl, aminosulfonyl, $-C(O)OR_4$, $-C(O)OH$, $-SH$, $-CONHR_4$, $-NHCONHR_4$, $C(=NOH)R_4$, $-C(O)C(O)OR_4$, $C(O)CONHR_4$, $CON(R_5)OR_4$, $COCON(R_4)OR_4$, $NHCOR_4$, and acyl; each of the above is unsubstituted or optionally substituted with one or more substituents independently selected from the group consisting of: halogen; $=O$; $=S$; $-CN$; and $-NO_2$; and alkyl, alkenyl, heteroalkyl, haloalkyl, 15 alkynyl, aryl, cycloalkyl, heterocycloalkyl, heteroaryl, hydroxyl, hydroxyalkyl, alkoxy, alkylamino, aminoalkyl, acylamino, phenoxy, alkoxyalkyl, benzyloxy, alkylsulfonyl, arylsulfonyl, aminosulfonyl, $-C(O)OR_5$, $-C(O)OH$, $-SH$, $-C(O)C(O)OR_5$, $C(O)CONHR_5$, $CON(R_5)OR_5$, $COCON(R_5)OR_5$, $NHCOR_5$, and acyl; wherein R_2 does not contain the moiety $NHCONHCO$ or $NHCONHSO_2$;

20

R_3 is selected from H, C_1-C_{10} alkyl, alkenyl, heteroalkyl, haloalkyl, alkynyl, aryl, cycloalkyl, heterocycloalkyl, heteroaryl, C_4-C_9 heterocycloalkylalkyl, cycloalkylalkyl (e.g., cyclopropylmethyl), arylalkyl (e.g. benzyl), heteroarylalkyl (e.g. pyridylmethyl), hydroxyl, hydroxyalkyl, alkoxy, amino, alkylamino, aminoalkyl, acylamino, phenoxy, alkoxyalkyl, benzyloxy, alkylsulfonyl, arylsulfonyl, aminosulfonyl, $-C(O)OR_4$, $-C(O)OH$, $-SH$, $-CONHR_4$, $-NHCONHR_4$, $C(=NOH)R_4$, $-C(O)C(O)OR_4$, $C(O)CONHR_4$, $CON(R_5)OR_4$, $COCON(R_4)OR_4$, $NHCOR_4$, and acyl; each of the above is unsubstituted or optionally substituted with one or more substituents independently selected from the group consisting of: halogen; $=O$; $=S$; $-CN$; and $-NO_2$; and alkyl, alkenyl, heteroalkyl, haloalkyl, alkynyl, aryl, cycloalkyl, heterocycloalkyl, heteroaryl, hydroxyl, hydroxyalkyl, alkoxy, alkylamino, aminoalkyl, acylamino, phenoxy, alkoxyalkyl, benzyloxy, alkylsulfonyl, arylsulfonyl, aminosulfonyl, $-C(O)OR_5$, $-C(O)OH$, $-SH$, $-C(O)C(O)OR_5$, $C(O)CONHR_5$, $CON(R_5)OR_5$, $COCON(R_5)OR_5$, $NHCOR_5$, and acyl; wherein R_3 does not contain the moiety $NHCONHCO$ or $NHCONHSO_2$;

35

or R_2 and R_3 together with portion of ring B may form a non-aromatic ring fused to B;

X and Y are the same or different and independently selected from the group consisting of: H, halo, C₁-C₄ alkyl, such as CH₃ and CF₃, NO₂, OR₄, SR₄, C(O)R₅, CN, and NR₈R₉;

5

R₄ is selected from H, C₁-C₄ alkyl, heteroalkyl, aryl, heteroaryl, acyl;

R₅ is selected from H, C₁-C₄ alkyl;

10

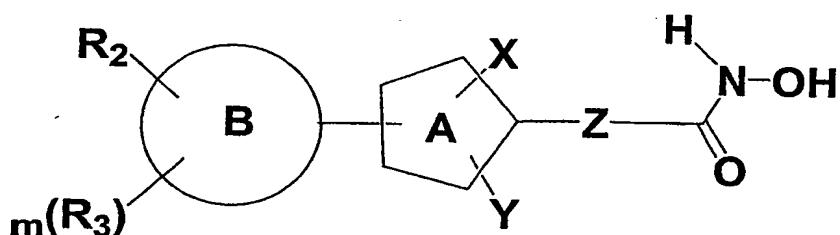
R₈ and R₉ are the same or different and independently selected from the group consisting of H, C₁-C₆ alkyl, C₄-C₉ cycloalkyl, C₄-C₉ heterocycloalkyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl;

m is an integer from 0 to 4;

15

or a pharmaceutically acceptable salt or prodrug thereof.

3. A compound according to claim 1 or 2 having the Formula (Ib)



Formula (Ib)

20 wherein

Z is a single bond or a C₁-C₄ hydrocarbon chain which may contain 0 to 1 double bond or triple bond, unsubstituted or substituted with one or more substituents independently selected from the group consisting of C₁-C₄ alkyl;

25

A is an optionally substituted five-membered heteroarylene;

B is an aromatic ring which is selected from the group consisting of optionally substituted aryl, optionally substituted arylene or optionally substituted heteroaryl or 30 optionally substituted heteroarylene; wherein when Z is a single bond then B is not a bicyclic aryl or bicyclic heteroaryl;

wherein A and B are connected via a carbon-carbon bond;

R_2 is selected from the group consisting of halogen, alkyl, alkenyl, alkynyl,
 5 haloalkyl, haloalkenyl, heteroalkyl, cycloalkyl, cycloalkenyl, heterocycloalkyl,
 heterocycloalkenyl, aryl, heteroaryl, cycloalkylalkyl, heterocycloalkylalkyl, arylalkyl,
 heteroarylalkyl, arylalkenyl, cycloalkylheteroalkyl, heterocycloalkylheteroalkyl,
 heteroarylheteroalkyl, arylheteroalkyl, hydroxy, hydroxyalkyl, alkoxy, alkoxyalkyl,
 10 alkoxyaryl, alkenyloxy, alkynyoxy, cycloalkylkoxy, heterocycloalkyloxy, aryloxy,
 heteroaryloxy, arylalkyloxy, amino, alkylamino, aminoalkyl, acylamino, arylamino,
 phenoxy, benzyloxy, COOH, COOR₄, SH, CONHR₄, NHR₄, -(CH₂)_nNHCOR₄, NHCOR₄,
 NHCOOR₄ NHCONHR₄, C(=NOH)R₄, NHSOR₄ NHSO₂R₄, -(CH₂)_nNR₆R₇, alkoxycarbonyl,
 alkylaminocarbonyl, sulfonyl, alkylsulfonyl, alkylsulfinyl, arylsulfonyl, arylsulfinyl,
 15 aminosulfonyl, aminosulfinyl, SR₄ and acyl; each of which may optionally be substituted,
 wherein R_2 does not contain the moiety NHCONHCO or NHCONHSO₂;

R_3 is selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl,
 haloalkyl, haloalkenyl, heteroalkyl, cycloalkyl, cycloalkenyl, heterocycloalkyl,
 heterocycloalkenyl, aryl, heteroaryl, cycloalkylalkyl, heterocycloalkylalkyl, arylalkyl,
 heteroarylalkyl, arylalkenyl, cycloalkylheteroalkyl, heterocycloalkylheteroalkyl,
 heteroarylheteroalkyl, arylheteroalkyl, hydroxy, hydroxyalkyl, alkoxy, alkoxyalkyl,
 alkoxyaryl, alkenyloxy, alkynyoxy, cycloalkylkoxy, heterocycloalkyloxy, aryloxy,
 heteroaryloxy, arylalkyloxy, amino, alkylamino, aminoalkyl, acylamino, arylamino,
 phenoxy, benzyloxy, COOH, COOR₄, SH, CONHR₄, NHR₄, -(CH₂)_nNHCOR₄, NHCOR₄,
 20 NHCOOR₄ NHCONHR₄, C(=NOH)R₄, NHSOR₄ NHSO₂R₄, -(CH₂)_nNR₆R₇, alkoxycarbonyl,
 alkylaminocarbonyl, sulfonyl, alkylsulfonyl, alkylsulfinyl, arylsulfonyl, arylsulfinyl,
 aminosulfonyl, aminosulfinyl, SR₄ and acyl; each of which may optionally be substituted
 25 wherein R_3 does not contain the moiety NHCONHCO or NHCONHSO₂;

30 or R_2 and R_3 together with portion of ring B may form a non-aromatic ring fused to
 B;

35 X and Y are the same or different and are independently selected from the group
 consisting of H, halo, C₁-C₄ alkyl, such as CH₃ and CF₃, NO₂, OR₄, SR₄, C(O)R₅, CN, and
 NR₈ R₉;

R_4 is selected from H, C₁-C₄ alkyl, heteroalkyl, aryl, heteroaryl, acyl;

R_5 is selected from H, C₁-C₄ alkyl;

5 each R_6 and R_7 is independently selected from the group consisting of H, alkyl, alkenyl, alkynyl, haloalkyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, cycloalkylalkyl, heterocycloalkylalkyl, arylalkyl, heteroarylalkyl and acyl each of which may be optionally substituted;

10 R_8 and R_9 are the same or different and are independently selected from the group consisting of H, C₁-C₆ alkyl, C₄-C₉ cycloalkyl, C₄-C₉ heterocycloalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl;

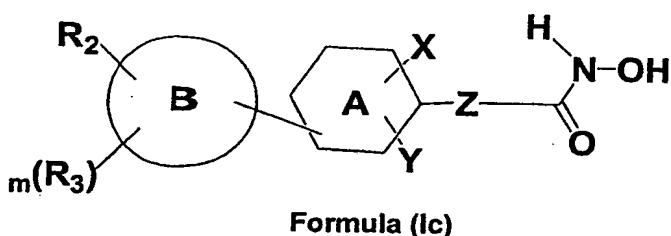
15 n is an integer from 0 to 6;

20 m is an integer from 0 to 4;

or a pharmaceutically acceptable salt or prodrug thereof.

4. A compound according to claim 1 or 2 having the compound of Formula (Ic):

20



wherein

25 Z is a single bond or a C₁-C₄ hydrocarbon chain which may contain 0 to 1 double bond or triple bond, unsubstituted or substituted with one or more substituents independently selected from the group consisting of C₁-C₄ alkyl;

30 A is a six-membered aromatic ring which is selected from the group consisting of optionally substituted arylene or optionally substituted heteroarylene and when Z is a single bond then A is not selected from the group consisting of phenylene and six-membered heteroarylene containing 3 or less than 3 nitrogens;

B is an aromatic ring and is attached to the 3rd or 4th position relative to Z of ring A selected from the group consisting of optionally substituted aryl, optionally substituted arylene, optionally substituted heteroaryl and optionally substituted heteroarylene and wherein A and B can not both be phenylene;

5

wherein A and B are connected via a carbon-carbon bond;

R₂ is selected from the group consisting of halogen, alkyl, alkenyl, alkynyl, haloalkyl, haloalkenyl, heteroalkyl, cycloalkyl, cycloalkenyl, heterocycloalkyl, heterocycloalkenyl, aryl, heteroaryl, cycloalkylalkyl, heterocycloalkylalkyl, arylalkyl, heteroarylalkyl, arylalkenyl, cycloalkylheteroalkyl, heterocycloalkylheteroalkyl, heteroarylheteroalkyl, arylheteroalkyl, hydroxy, hydroxyalkyl, alkoxy, alkoxyalkyl, alkoxyaryl, alkenyloxy, alkynyoxy, cycloalkylkoxy, heterocycloalkyloxy, aryloxy, heteroaryloxy, arylalkyloxy, amino, alkylamino, aminoalkyl, acylamino, arylamino, phenoxy, benzyloxy, COOH, COOR₄, SH, CONHR₄, NHR₄, -(CH₂)_nNHCOR₄, NHCOR₄, NHCOOR₄ NHCONHR₄, C(=NOH)R₄, NHSOR₄ NHSO₂R₄, -(CH₂)_nNR₆R₇, alkoxycarbonyl, alkylaminocarbonyl, sulfonyl, alkylsulfonyl, alkylsulfinyl, arylsulfonyl, arylsulfinyl, aminosulfonyl, aminosulfinyl, SR₄ and acyl; each of which may optionally be substituted, wherein R₂ does not contain the moiety NHCONHCO or NHCONHSO₂;

20

R₃ is selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, haloalkyl, haloalkenyl, heteroalkyl, cycloalkyl, cycloalkenyl, heterocycloalkyl, heterocycloalkenyl, aryl, heteroaryl, cycloalkylalkyl, heterocycloalkylalkyl, arylalkyl, heteroarylalkyl, arylalkenyl, cycloalkylheteroalkyl, heterocycloalkylheteroalkyl, heteroarylheteroalkyl, arylheteroalkyl, hydroxy, hydroxyalkyl, alkoxy, alkoxyalkyl, alkoxyaryl, alkenyloxy, alkynyoxy, cycloalkylkoxy, heterocycloalkyloxy, aryloxy, heteroaryloxy, arylalkyloxy, amino, alkylamino, aminoalkyl, acylamino, arylamino, phenoxy, benzyloxy, COOH, COOR₄, SH, CONHR₄, NHR₄, -(CH₂)_nNHCOR₄, NHCOR₄, NHCOOR₄ NHCONHR₄, C(=NOH)R₄, NHSOR₄ NHSO₂R₄, -(CH₂)_nNR₆R₇, alkoxycarbonyl, alkylaminocarbonyl, sulfonyl, alkylsulfonyl, alkylsulfinyl, arylsulfonyl, arylsulfinyl, aminosulfonyl, aminosulfinyl, SR₄ and acyl; each of which may optionally be substituted wherein R₃ does not contain the moiety NHCONHCO or NHCONHSO₂;

X and Y are the same or different and independently selected from H, halo, C₁-C₄ alkyl, such as CH₃ and CF₃, NO₂, OR₄, SR₄, C(O)R₅, CN, and NR₈ R₉;

35

R₄ is selected from H, C₁-C₄ alkyl, heteroalkyl, aryl, heteroaryl, acyl;

R_5 is selected from H, C_1-C_4 alkyl;

each R_6 and R_7 is independently selected from the group consisting of H, alkyl, alkenyl, alkynyl, haloalkyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, cycloalkylalkyl, heterocycloalkylalkyl, arylalkyl, heteroarylalkyl and acyl each of which may be optionally substituted;

R_8 and R_9 are the same or different and independently selected from H, C_1-C_6 alkyl, C_4-C_9 cycloalkyl, C_4-C_9 heterocycloalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl;

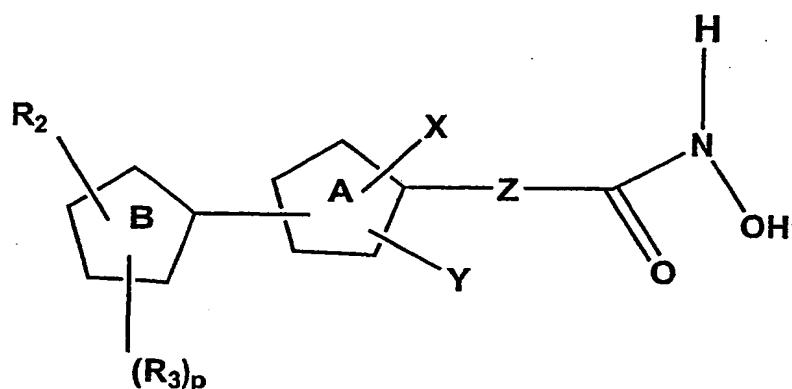
10

n is an integer from 0 to 6;

m is an integer from 0 to 4;

15 or a pharmaceutically acceptable salt or prodrug thereof.

5. A compound according to claim 1 having the Formula (Id):

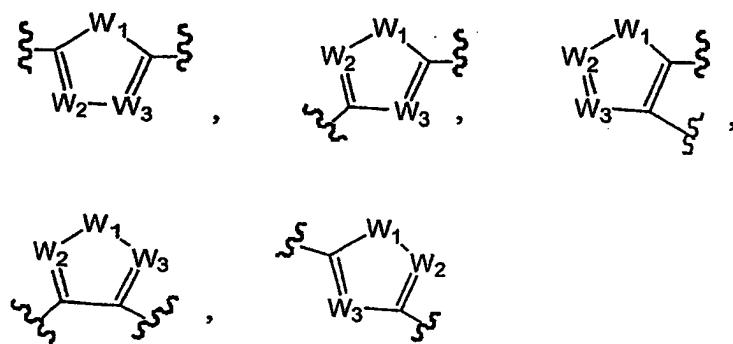


20

Formula (Id)

wherein  is selected from the group consisting of

114



wherein W_1 is selected from the group consisting of O, S and NH;

W_2 and W_3 are independently selected from the group consisting of N, CX and CY;

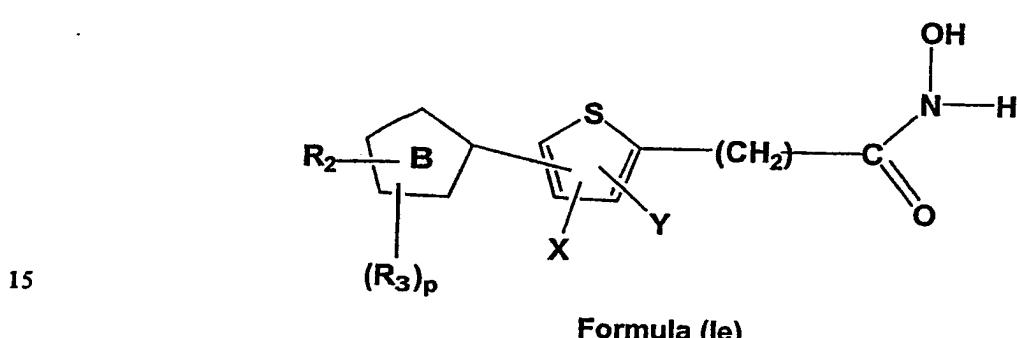
5

p is an integer from 0 to 3,

B is a 5-membered heteroarylene,

10 wherein Z, X, Y, R_2 and R_3 are as described in claim 1, or a pharmaceutically acceptable salt or prodrug thereof.

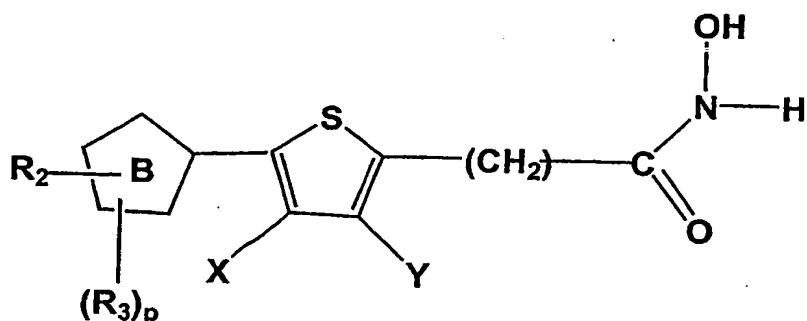
6. A compound according to claim 1 having the Formula (Ie):



wherein B is a 5-membered heteroarylene, p is an integer from 0 to 3 and X, Y, R_2 and R_3 are the same as in claim 1.

20

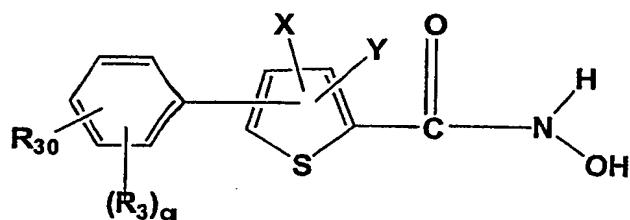
7. A compound according to claim 1 having the Formula (If)



Formula (If)

wherein B is a 5-membered heteroarylene, p is an integer from 0 to 3 and X, Y, R₂ and R₃ are the same as in claim 1.

8. A compound according to claim 1 of the Formula (Ig):

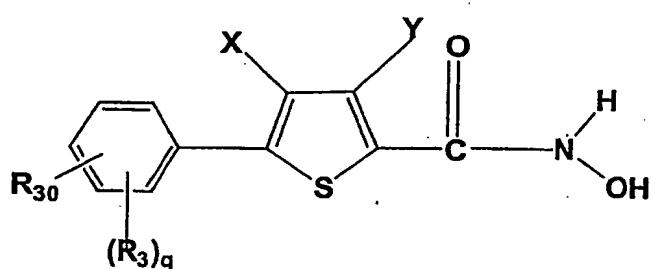


Formula (Ig)

wherein q is an integer from 0 to 4 and X, Y, R₂ and R₃ are the same as in claim 1.

9. A compound according to claim 1 of the Formula (Ih):

15

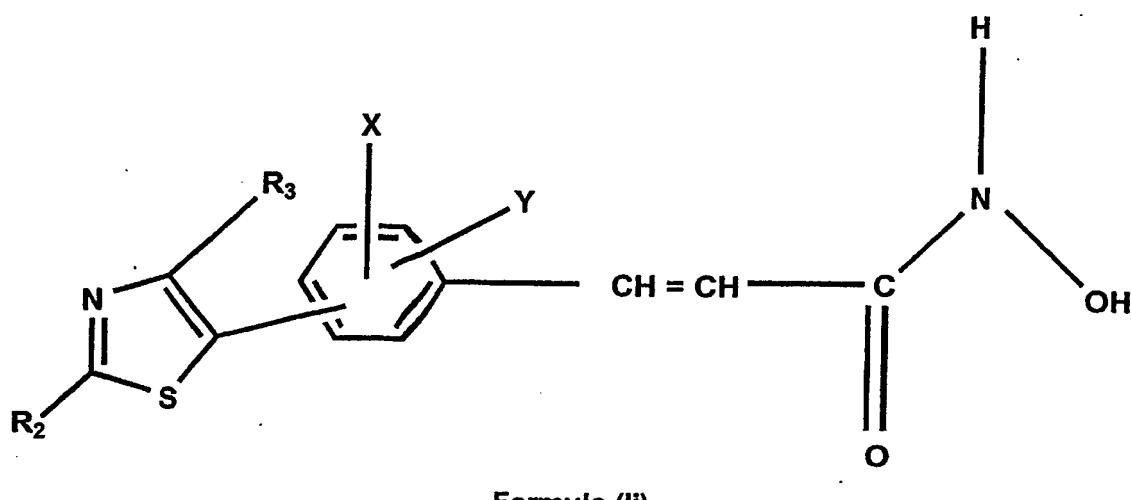


Formula (Ih)

wherein q is an integer from 0 to 4 and X, Y, R₂ and R₃ are the same as in claim 1.

20

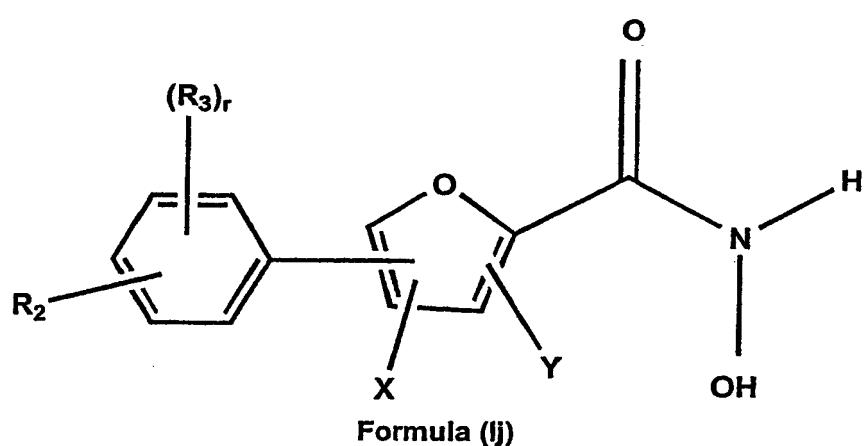
10. A compound according to claim 1 of the Formula (Ii):



X, Y, R₂ and R₃ are the same as in claim 1.

5

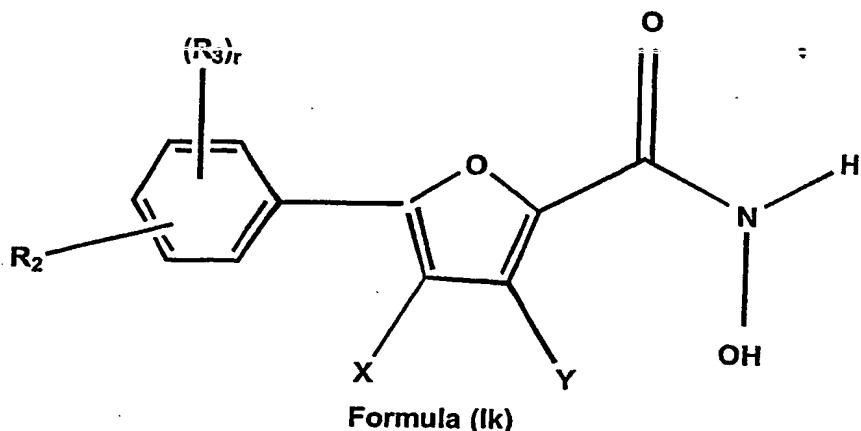
11. A compound according to claim 1 of the Formula (Ij):



10

r is an integer from 0 to 4 and X, Y, R₂ and R₃ are the same as in claim 1.

12. A compound according to claim 1 of the Formula (Ik):



r is an integer from 0 to 4 and X, Y, R₂ and R₃ are the same as in claim 1.

5

13. A compound according to any one of claims 1 to 3 wherein A is an optionally substituted 5-membered heteroarylene ring.

14. A compound according to any one of claims 1 to 3 or 5 wherein A is an optionally substituted 5-membered heteroarylene ring selected from the group consisting of 2,5-furanylene; 2,4-furanylene; 2,3-furanylene; 3,4-furanylene; 2,5-thiophenylene; 2,4-thiophenylene, 2,3-thiophenylene; 3,4-thiophenylene; 1,2-pyrrolylene; 1,3-pyrrolylene; 1,4-pyrrolylene; 1,5-pyrrolylene; 2,3-pyrrolylene; 2,4-pyrrolylene; 2,5-pyrrolylene; 3,4-pyrrolylene; 2,5-oxazolylene; 2,4-oxazolylene; 4,5-oxazolylene, 2,5-thiazolylene; 2,4-thiazolylene; 4,5-thiazolylene 1,2-imidazolylene; 1,4-imidazolylene; 1,5-imidazolylene; 2,4-imidazolylene; 2,5-imidazolylene; 4,5-imidazolylene 1,3-pyrazolylene; 1,4-pyrazolylene; 1,5-pyrazolylene; 3,4-pyrazolylene; 3,5-pyrazolylene; 4,5-pyrazolylene; 3,4-isoxazolylene; 3,5-isoxazolylene; 4,5-isoxazolylene; 3,4-isothiazolylene; 3,5-isothiazolylene; 4,5-isothiazolylene; 4,5-(1,2,3-oxadiazolyl)-ene; 3,5-(1,2,4-oxadiazolyl)-ene; 1,4-(1,2,3-triazolyl)-ene; 1,5-(1,2,3-triazolyl)-ene; 4,5-(1,2,3-triazolyl)-ene; 1,3-(1,2,4-triazolyl)-ene; 1,5-(1,2,4-triazolyl)-ene; 3,5-(1,2,4-triazolyl)-ene; 3,5-(1,2,4-thiadiazolyl)-ene; 2,5-(1,3,4-thiadiazolyl)-ene, and 1,5-tetrazolylene.

15. A compound according to any one of claims 1 to 3 or 5 wherein A is an optionally substituted 5-membered heteroarylene selected from the group consisting of 2,5-thiophenylene; 3,5-isoxazolylene; 3,5-pyrazolylene; 2,5-oxazolylene; 3,5-pyrazolylene; 2,5-furanylene and 2,4-thiophenylene.

16. A compound according to any one of claims 1 to 3 or 5 wherein B is attached to the 3rd or 4th position relative to Z of Ring A.

17. A compound according to any one of claims 1, 2 or 4 wherein A is an optionally substituted phenylene or an optionally substituted 6-membered heteroarylene.

5 18. A compound according to any one of claims 1 to 7 or 13 to 17 wherein B is an optionally substituted 5-membered heteroarylene.

10 19. A compound according to any one of claims 1 to 7 or 13 to 18 wherein B is an optionally substituted 5-membered heteroarylene ring selected from the group consisting of 2,5-furanylene; 2,4-furanylene; 2,3-furanylene; 3,4-furanylene; 2,5-thiophenylene; 2,4-thiophenylene, 2,3-thiophenylene; 3,4-thiophenylene; 1,2-pyrrolylene; 1,3-pyrrolylene; 1,4-pyrrolylene; 1,5-pyrrolylene; 2,3-pyrrolylene; 2,4-pyrrolylene; 2,5-pyrrolylene; 3,4-pyrrolylene; 2,5-oxazolylene; 2,4-oxazolylene; 4,5-oxazolylene, 2,5-thiazolylene; 2,4-thiazolylene; 4,5-thiazolylene 1,2-imidazolylene; 1,4-imidazolylene; 1,5-imidazolylene; 2,4-imidazolylene; 2,5- imidazolylene; 4,5-imidazolylene 1,3-pyrazolylene; 1,4-pyrazolylene; 1,5-pyrazolylene; 3,4-pyrazolylene; 3,5-pyrazolylene; 4,5-pyrazolylene; 3,4-isoxazolylene; 3,5-isoxazolylene; 4,5-isoxazolylene; 3,4-isothiazolylene; 3,5-isothiazolylene; 4,5-isothiazolylene; 4,5-(1,2,3-oxadiazoly)-ene; 3,5-(1,2,4-oxadiazoly)ene; 1,4-(1,2,3-triazoly)ene; 1,5-(1,2,3-triazoly)ene; 4,5-(1,2,3-triazoly)ene; 1,3-(1,2,4-triazoly)ene; 1,5-(1,2,4-triazoly)ene; 3,5-(1,2,4-triazoly)ene; 3,5-(1,2,4-thiadiazoly)ene; 2,5-(1,3,4-thiadiazoly)ene, and 1,5-tetrazolylene.

20. A compound according to any one of claims 1 to 7 or 13 to 19 wherein B is an optionally substituted 5-membered heteroarylene selected from the group consisting of 2,4-thiazolylene; 4,2-thiazolylene; 1,3-phenylene; 2,5-thiophenylene and 1,4-phenylene.

21. A compound according to any one of claims 1 to 5 wherein Z is a single bond.

22. A compound according to any one of claims 1 to 5 wherein Z is CH_2 .

30

23. A compound according to any one of claims 1 to 5 wherein Z is $\text{CH}=\text{CH}$.

24. A compound according to any one of claims 1 to 23 wherein X and Y are both H.

35 25. A compound according to any one of the preceding claims wherein R_2 is independently selected from the group consisting of: $-\text{NH}_2$, $-(\text{CH}_2)_n\text{NHCOR}_4$, $-\text{NHSO}_2\text{R}_4$, $-\text{NR}_4$, $-(\text{CH}_2)_n\text{NR}_6\text{R}_7$, arylalkyl and heteroarylalkyl, each of which may be optionally

substituted wherein n is an integer from 0 to 6, and R_4 , R_6 and R_7 are as described in claim 1.

26. A compound according to any one of the preceding claims wherein R_2 is selected from the group consisting of $R_6R_7N-(CH_2)_n$ - wherein n is an integer from 1 to 3.

5

27. A compound according to claim 26 wherein R_6 and R_7 are independently selected from the group consisting of:

H, cyclopropyl, 2-(4-Hydroxy-3,5-dimethoxy-phenyl)-ethyl, 3-Pyrrolidin-1-yl-propyl, 2-Morpholin-4-yl-ethyl, 3-Morpholin-4-yl-propyl, 2-Dimethylamino-ethyl, 4-[4-(2,3-Dimethyl-

10 phenyl)-piperazin-1-ylmethyl, 3-Imidazol-1-yl-propyl, 3-phenyl-propyl, (2-Hydroxy-ethyl)-phenethyl, 2-Hydroxy-ethyl-2-(1H-indol-3-yl)-ethyl, (2-Morpholin-4-yl-ethyl)-phenethyl, 2-(2-methyl-1H-indol-3-yl)-ethyl, 2-(1H-indol-3-yl)-ethyl, pyridin-3-ylmethyl, 3-hydroxy-propyl,

2-pyridin-2-yl-ethyl, 2-pyridin-3-yl-ethyl, pyridin-3-ylmethyl, 2-pyridin-4-yl-ethyl, benzyl, 3-phenyl-propyl, 2-phenoxy-ethyl, morpholin-4-yl, pyridin-2-yl, phenethyl, 2-(4-bromo-

15 phenyl)-ethyl, 2-(4-fluoro-phenyl)-ethyl, 3-imidazol-1-yl-propyl, 2-(1H-imidazol-4-yl)-ethyl, 1H-Benzimidazol-2-ylmethyl, 2-piperidin-1-yl-ethyl, 2-pyrrolidin-1-yl-ethyl, 2-cyclohex-1-

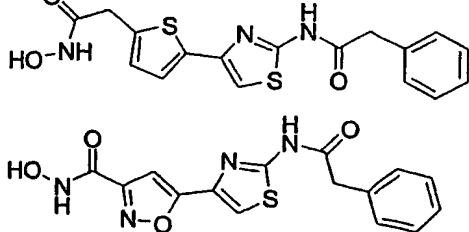
enyl-ethyl, 2-ethyl-hexyl, 2-thiophen-2-yl-ethyl, 3,3-diphenyl-propyl, 2-biphenyl-4-yl-ethyl, -(4-phenoxy-phenyl, 2-(3-phenoxy-phenyl)-ethyl, 2-(2,3-dimethoxy-phenyl, 2-(2,4-dichloro-

20 phenyl)-ethyl, cyclohexylmethyl, hexyl, isobutyl, 3-isopropoxy-propyl, 2-phenoxy-ethyl, 2-isopropoxy-ethyl, 3-methoxy-benzyl, 4-[1,2,3]thiadiazol-4-yl-benzyl, 2,4-dichloro-benzyl, 2-(2-methoxy-phenyl)-ethyl, 2-(3-fluoro-phenyl)-ethyl, 2-(2-fluoro-phenyl)-ethyl, 2,2-diphenyl-

ethyl, 2-(4-methoxy-phenyl)-ethyl, 2-(3-chloro-phenyl)-ethyl, 4-phenyl-butyl, 3-phenyl-propyl, 3,3-diphenyl-propyl, 3-(4-methyl-piperazin-1-yl, 3-morpholin-4-yl-propyl, 3-(2-oxo-

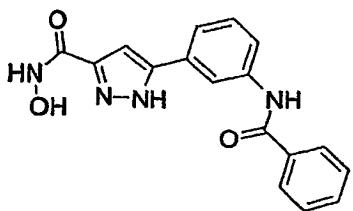
25 pyrrolidin-1-yl)-propyl, 3-pyrrolidin-1-yl-propyl, tetrahydro-furan-2-ylmethyl, 2-diethylamino-ethyl, 2-dimethylamino-ethyl.

28. A compound according to claim 1 wherein the compound is selected from the group consisting of

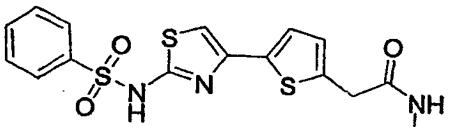


N-Hydroxy-2-[5-(2-phenylacetylamo-thiazol-4-yl)-thiophen-2-yl]-acetamide,

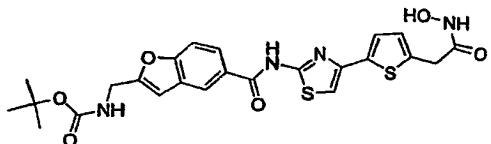
5-(2-Phenylacetylamo-thiazol-4-yl)-isoxazole-3-carboxylic acid hydroxyamide,



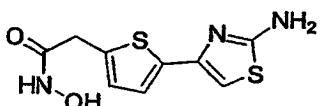
5-(3-Benzoylamino-phenyl)-1H-pyrazole-3-carboxylic acid hydroxyamide,



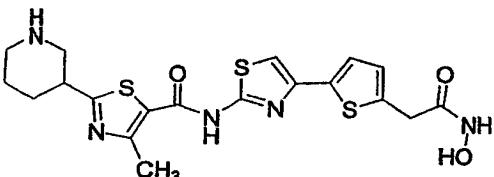
2-[5-(2-Benzenesulfonylamino-thiazol-4-yl)-thiophen-2-yl]-N-hydroxy-acetamide,



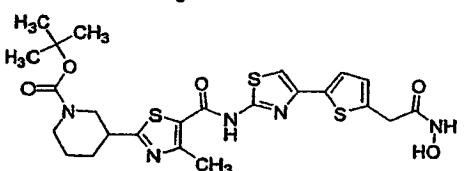
{5-[4-(5-Hydroxycarbamoylmethyl-thiophen-2-yl)-thiazol-2-ylcarbamoyl]-benzofuran-2-ylmethyl}-carbamic acid tert-butyl ester,



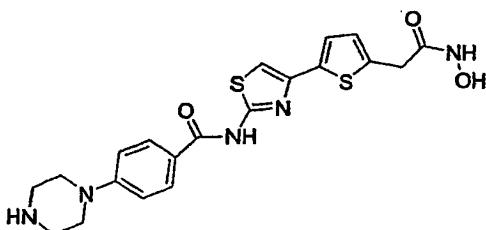
2-[5-(2-Amino-thiazol-4-yl)-thiophen-2-yl]-N-hydroxy-acetamide,



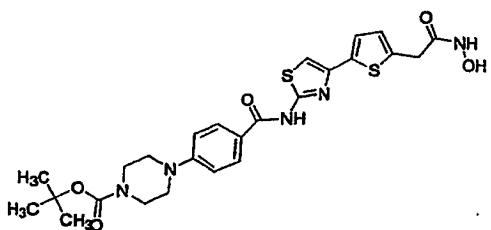
4-Methyl-2-piperidin-3-yl-thiazole-5-carboxylic acid [4-(5-hydroxycarbamoylmethyl-thiophen-2-yl)-thiazol-2-yl]-amide,



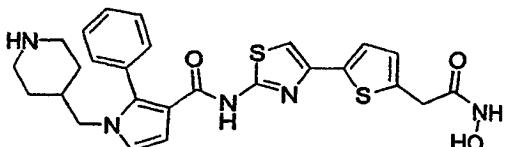
3-{5-[4-(5-Hydroxycarbamoylmethyl-thiophen-2-yl)-thiazol-2-ylcarbamoyl]-4-methyl-thiazol-2-yl}-piperidine-1-carboxylic acid tert-butyl ester,



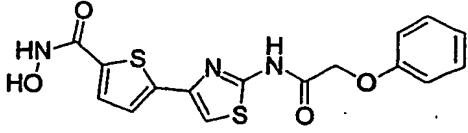
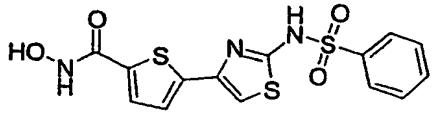
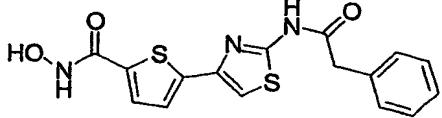
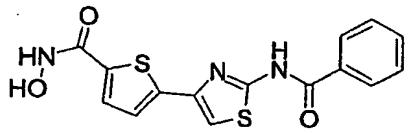
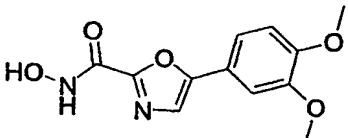
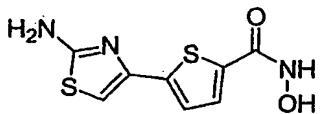
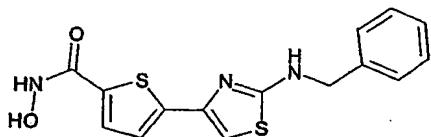
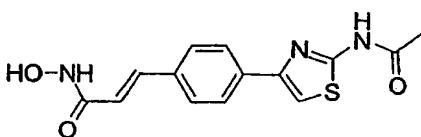
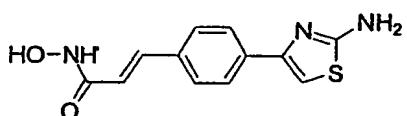
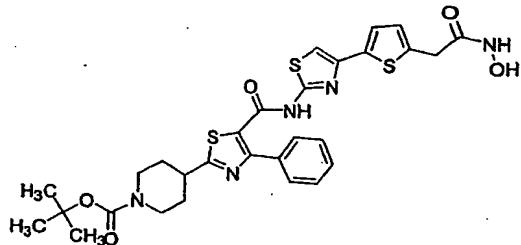
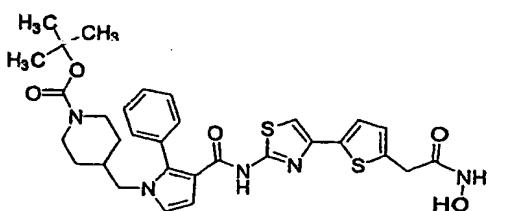
N-[4-(5-2Hydroxycarbamoylmethyl-thiophen-2-yl)-thiazol-2-yl]-4-piperazin-1-yl-benzamide,



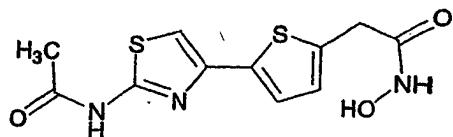
4-{4-[4-(5-Hydroxycarbamoylmethyl-thiophen-2-yl)-thiazol-2-ylcarbamoyl]-phenyl}-piperazine-1-carboxylic acid tert-butyl ester,



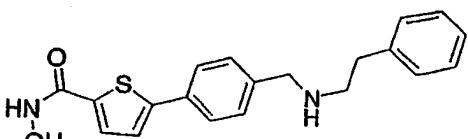
2-Phenyl-1-piperidin-4-ylmethyl-1H-pyrrole-3-carboxylic acid [4-(5-hydroxycarbamoylmethyl-thiophen-2-yl)-thiazol-2-yl]-amide,



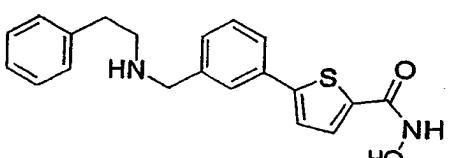
122



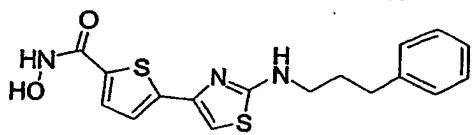
2-[5-(2-Acetylamino-thiazol-4-yl)-thiophen-2-yl]-N-hydroxy-acetamide,



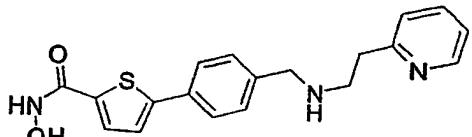
5-[4-(Phenethylamino-methyl)-phenyl]-thiophene-2-carboxylic acid hydroxyamide,



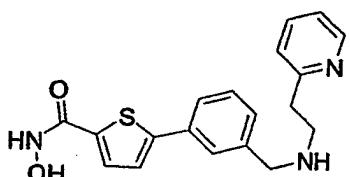
5-[3-(Phenethylamino-methyl)-phenyl]-thiophene-2-carboxylic acid hydroxyamide,



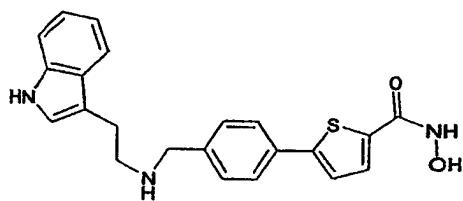
5-[2-(3-Phenyl-propylamino)-thiazol-4-yl]-thiophene-2-carboxylic acid hydroxyamide,



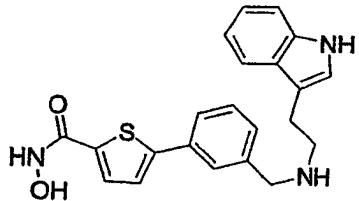
5-{4-[(2-Pyridin-2-yl-ethylamino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide,



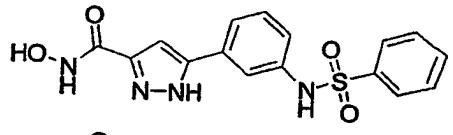
5-{3-[(2-Pyridin-2-yl-ethylamino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide,



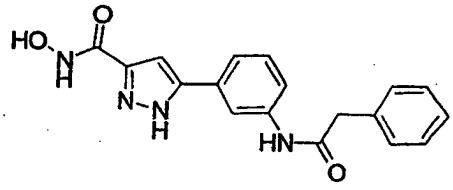
5-(4-[(2-(1H-Indol-3-yl)-ethylamino]-methyl)-phenyl)-thiophene-2-carboxylic acid hydroxyamide,



5-(3-[(2-(1H-Indol-3-yl)-ethylamino]-methyl)-phenyl]-thiophene-2-carboxylic acid hydroxyamide,

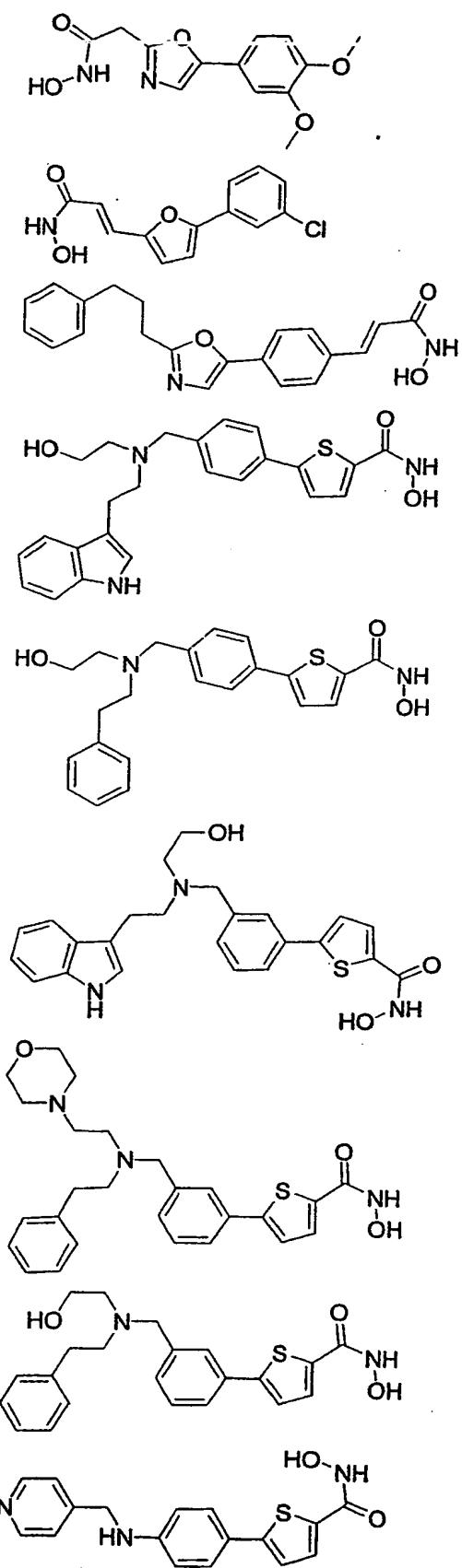


5-(3-Benzenesulfonylamino-phenyl)-1H-pyrazole-3-carboxylic acid hydroxyamide,



5-(3-Phenylacetylamino-phenyl)-1H-pyrazole-3-carboxylic acid hydroxyamide,

123



2-[5-(3,4-Dimethoxy-phenyl)-oxazol-2-yl]-N-hydroxy-acetamide

3-[5-(3-Chloro-phenyl)-furan-2-yl]-N-hydroxy-acrylamide,

N-Hydroxy-3-{4-[2-(3-phenyl-propyl)-oxazol-5-yl]-phenyl}-acrylamide,

5-[4-((2-Hydroxy-ethyl)-[2-(1H-indol-3-yl)-ethyl]-amino)-methyl]-phenyl]-thiophene-2-carboxylic acid hydroxyamide,

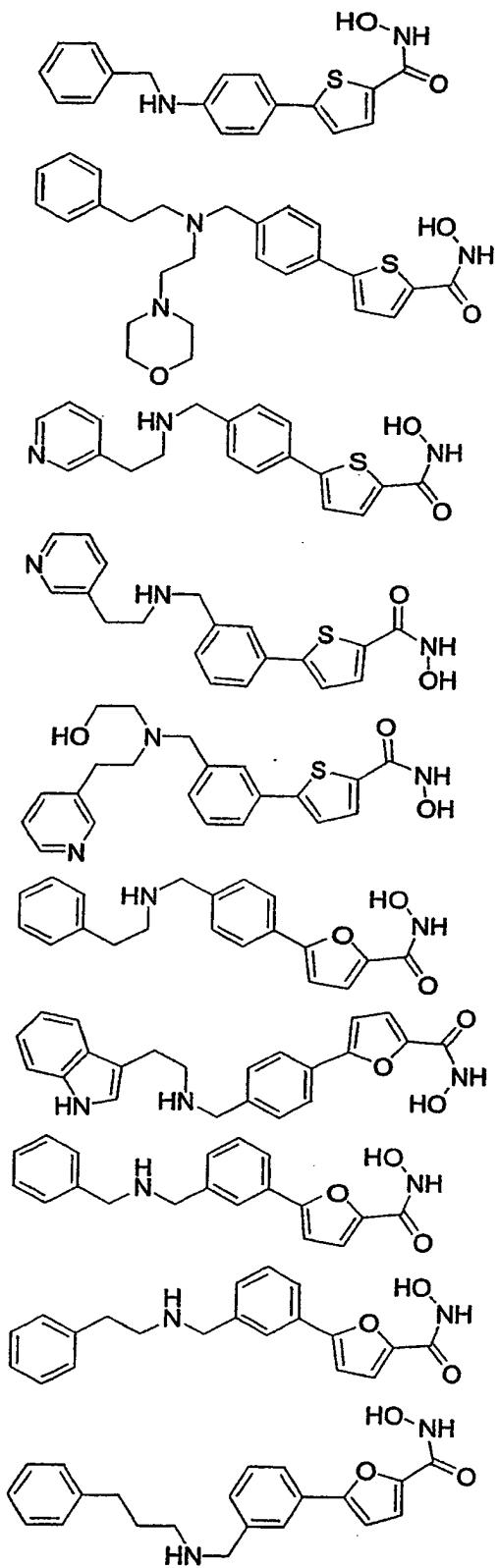
5-(4-[(2-Hydroxy-ethyl)-phenethyl-amino]-methyl)-phenyl]-thiophene-2-carboxylic acid hydroxyamide,

5-[3-((2-Hydroxy-ethyl)-[2-(1H-indol-3-yl)-ethyl]-amino)-methyl]-phenyl]-thiophene-2-carboxylic acid hydroxyamide,

5-(3-[(2-Morpholin-4-yl-ethyl)-phenethyl-amino]-methyl)-phenyl]-thiophene-2-carboxylic acid hydroxyamide,

5-(3-[(2-Hydroxy-ethyl)-phenethyl-amino]-methyl)-phenyl]-thiophene-2-carboxylic acid hydroxyamide,

5-{4-[(Pyridin-4-ylmethyl)-amino]-phenyl}-thiophene-2-carboxylic acid hydroxyamide,



5-(4-Benzylamino-phenyl)-thiophene-2-carboxylic acid hydroxyamide,

5-[4-[(2-Morpholin-4-yl-ethyl)amino]-methyl]-phenyl-thiophene-2-carboxylic acid hydroxyamide,

5-[4-[(2-Pyridin-3-yl-ethyl)amino]-methyl]-phenyl-thiophene-2-carboxylic acid hydroxyamide,

5-[3-[(2-Pyridin-3-yl-ethyl)amino]-methyl]-phenyl-thiophene-2-carboxylic acid hydroxyamide,

5-(3-[(2-Hydroxyethyl)-(2-pyridin-3-yl-ethyl)amino]-methyl)-phenyl-thiophene-2-carboxylic acid hydroxyamide,

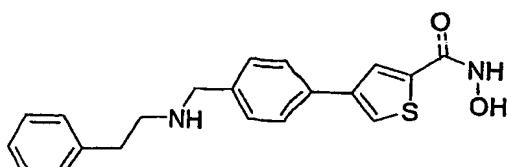
5-[4-(Phenethylamino-methyl)-phenyl]-furan-2-carboxylic acid hydroxyamide,

5-(4-[(2-(1H-Indol-3-yl)-ethyl)amino]-methyl)-phenyl-furan-2-carboxylic acid hydroxyamide,

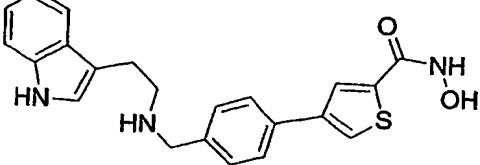
5-[3-(Benzylamino-methyl)-phenyl]-furan-2-carboxylic acid hydroxyamide,

5-[3-(Phenethylamino-methyl)-phenyl]-furan-2-carboxylic acid hydroxyamide,

5-[3-[(3-Phenyl-propyl)amino]-methyl]-phenyl-furan-2-carboxylic acid hydroxyamide,



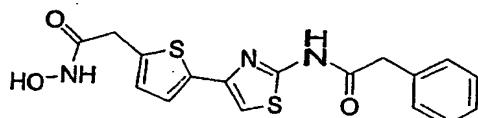
4-[4-(Phenethylamino-methyl)-phenyl]-thiophene-2-carboxylic acid hydroxyamide,



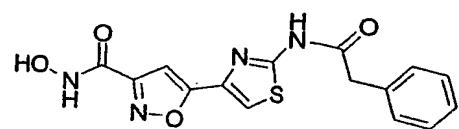
4-(4-[(2-(1H-Indol-3-yl)-ethylamino]-methyl)-phenyl]-thiophene-2-carboxylic acid hydroxyamide,

or a pharmaceutically acceptable salt or prodrug thereof.

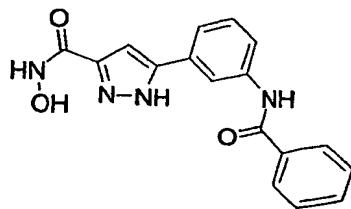
29. A compound according to claim 1 wherein the compound is selected from the group consisting of



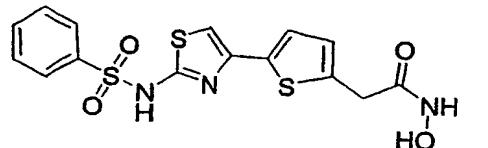
N-Hydroxy-2-[5-(2-phenylacetylamino-thiazol-4-yl)-thiophen-2-yl]-acetamide,



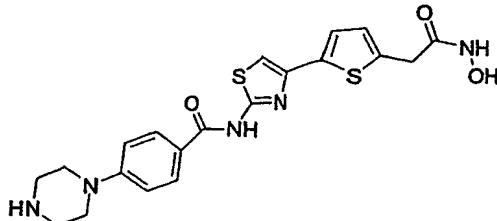
5-(2-Phenylacetylamino-thiazol-4-yl)-isoxazole-3-carboxylic acid hydroxyamide,



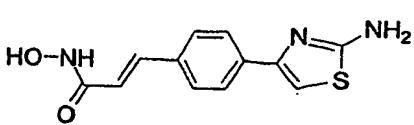
5-(3-Benzoylamino-phenyl)-1H-pyrazole-3-carboxylic acid hydroxyamide,



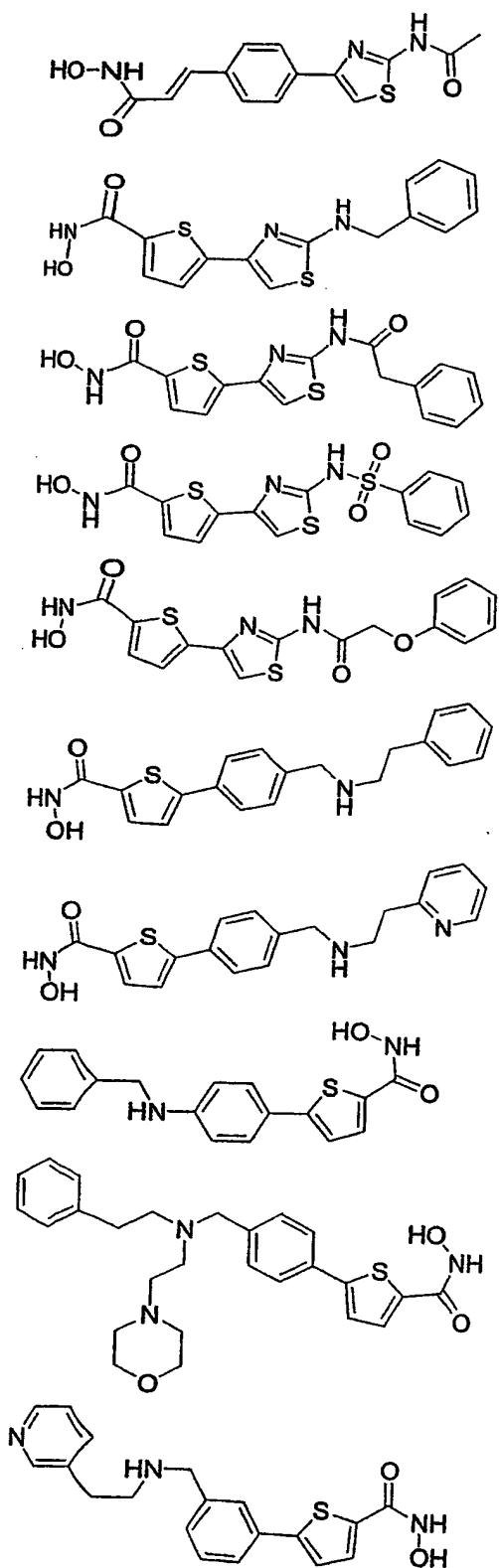
2-[5-(2-Benzenesulfonylamino-thiazol-4-yl)-thiophen-2-yl]-N-hydroxy-acetamide,



N-[4-(5-2-Hydroxycarbamoylmethyl-thiophen-2-yl)-thiazol-2-yl]-4-piperazin-1-yl-benzamide,



3-[4-(2-Amino-thiazol-4-yl)-phenyl]-N-hydroxy-acrylamide,



3-[4-(2-Acetylaminothiazol-4-yl)-phenyl]-N-hydroxyacrylamide,

5-(2-Benzylaminothiazol-4-yl)-thiophene-2-carboxylic acid hydroxyamide,

5-(2-Phenylacetylaminothiazol-4-yl)-thiophene-2-carboxylic acid hydroxyamide,

5-(2-Benzenesulfonylaminothiazol-4-yl)-thiophene-2-carboxylic acid hydroxyamide,

5-[2-(2-Phenoxyacetylaminothiazol-4-yl)-thiophene-2-carboxylic acid hydroxyamide,

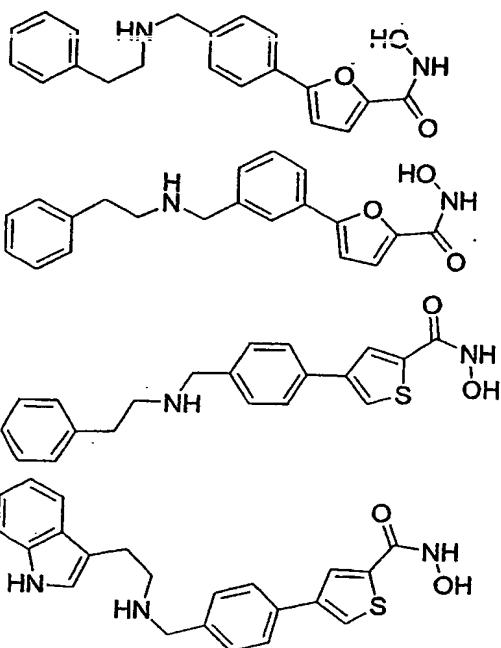
5-[4-(Phenethylaminomethyl)phenyl]-thiophene-2-carboxylic acid hydroxyamide,

5-{4-[(2-Pyridin-2-yl-ethylamino)methyl]phenyl}-thiophene-2-carboxylic acid hydroxyamide,

5-(4-Benzylaminophenyl)-thiophene-2-carboxylic acid hydroxyamide,

5-(4-[(2-Morpholin-4-yl-ethyl)phenethylamino]methyl)phenyl)-thiophene-2-carboxylic acid hydroxyamide,

5-{3-[(2-Pyridin-3-yl-ethylamino)methyl]phenyl}-thiophene-2-carboxylic acid hydroxyamide,



5-[4-(Phenethylamino-methyl)-phenyl]-furan-2-carboxylic acid hydroxyamide,

5-[3-(Phenethylamino-methyl)-phenyl]-furan-2-carboxylic acid hydroxyamide,

4-[4-(Phenethylamino-methyl)-phenyl]-thiophene-2-carboxylic acid hydroxyamide,

4-(4-[(2-(1H-Indol-3-yl)-ethylamino]-methyl)-phenyl]-thiophene-2-carboxylic acid hydroxyamide

or a pharmaceutically acceptable salt or prodrug thereof.

30. A compound according to any one of claims 1 to 29 wherein when Z is a single bond then A is not 2,5-thiophenylene.

5 31. A compound according to any one of claims 1 to 29 wherein when A is phenylene then B is not a 5-membered heteroaryl or 5-membered heteroarylene.

10 32. A compound according to any one of claims 1 to 29 wherein B is not a bicyclic heteroaryl or bicyclic heteroarylene having 9 ring atoms or a heterocycloalkyl substituted heteroarylene.

15 33. A compound according to any one of claims 1 to 29 wherein when A is a benzimidazole ring, B is not connected to the position 2 of benzimidazole ring.

20 34. A compound according to any one of claims 1 to 33 wherein the optional substituents are independently selected from the group consisting of H, halogen, =O, =S, -CN, -NO₂, -CF₃, -OCF₃, alkyl, alkenyl, alkynyl, haloalkyl, haloalkenyl, haloalkynyl, heteroalkyl, cycloalkyl, cycloalkenyl, heterocycloalkyl, heterocycloalkenyl, aryl, heteroaryl, hydroxy, hydroxalkyl, alkoxy, alkoxyalkyl, alkoxyaryl, alkoxyheteroaryl, alkenyloxy, alkynyoxy, cycloalkyloxy, cycloalkenyloxy, heterocycloalkyloxy, heterocycloalkenyloxy, aryloxy, heteroaryloxy, arylalkyl, heteroarylalkyl, cycloalkylalkyl, heterocycloalkylalkyl,

arylalkyloxy, amino, alkylamino, acylamino, aminoalkyl, arylamino, sulfonylamino, sulfinylamino, sulfonyl, alkylsulfonyl, arylsulfonyl, aminosulfonyl, aminoalkyl, alkoxyalky, $\text{CH}_2\text{heterocycloalkylCOOR}_{10}$, heterocycloalkylCOOR₁₀, -COOH, -COR₅, -C(O)OR₅, CONHR₅, -C(O)C(O)OR₅, C(O)CONHR₅, CON(R₅)OR₅, COCON(R₅)OR₅, NHCOR₅, 5 CH₂NCOOR₁₀, NHCOOR₅, NHCONHR₅, C(=NOH)R₅, -SH, -SR₅, -OR₅ and acyl; each R₅ is independently selected from the group consisting of H, alkyl, alkenyl, alkynyl, haloalkyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, cycloalkylalkyl, heterocycloalkylalkyl, arylalkyl, heteroarylalkyl and acyl each of which may be optionally substituted;

10 R₁₀ is selected from H, alkyl, acyl and aryl.

35. A pharmaceutical composition including a compound according to any one of claims 1 to 34 and a pharmaceutically acceptable diluent, excipient or carrier.

15 36. Use of a compound according to any one of claims 1 to 34 in the preparation of a medicament for the treatment of a disorder caused by, associated with or accompanied by disruptions of cell proliferation and/or angiogenesis.

37. A use according to claim 36 wherein the disorder is a proliferative disorder.

20 38. A use according to claim 36 wherein the proliferative disorder is cancer.

39. Use of a compound according to claim 38 wherein the cancer is selected from breast cancer, lung cancer, ovarian cancer, prostate cancer, head and neck cancer, renal 25 cancer, gastric cancer, colon cancer, pancreatic cancer and brain cancer.

40. A method of treatment of a disorder caused by, associated with or accompanied by disruptions of cell proliferation and/or angiogenesis in a patient the method including administration of a therapeutically effective amount of a compound according to any one 30 of claims 1 to 34 to the patient.

41. A method according to claim 40 wherein the disorder is a proliferative disorder.

42. A method according to claim 40 wherein the disorder is cancer.

43. A method according to claim 42 wherein the cancer is selected from breast cancer, lung cancer, ovarian cancer, prostate cancer, head and neck cancer, renal cancer, gastric cancer, colon cancer, pancreatic cancer and brain cancer.

5 44. Use of a compound according to any one of claims 1 to 34 to modify deacetylase activity.

45. A use according to claim 44 wherein the deacetylase activity is histone deacetylase activity.

10

46. A use according to claim 44 wherein the deacetylase activity is class I histone deacetylase activity.

47. A use according to claim 45 or 46 wherein the histone deacetylase is HDAC1.

15

48. A use according to claim 45 or 46 wherein the histone deacetylase is HDAC8.

49. A method of modifying deacetylase activity including contacting the deacetylase with a compound according to any one of claims 1 to 34.

20

50. A method according to claim 49 wherein the deacetylase activity is histone deacetylase activity.

25

51. A method according to claim 49 wherein the deacetylase activity is class I histone deacetylase activity.

52. A method according to claim 50 or 51 wherein the histone deacetylase is HDAC1.

53. A method according to claim 50 or 51 wherein the histone deacetylase is HDAC8.

30

54. A method of treatment of a disorder that can be treated by the inhibition of deacetylase activity in a patient including administration of a therapeutically effective amount of a compound according to any one of claims 1 to 34 to the patient.

35 55. A method according to claim 54 wherein the deacetylase activity is histone deacetylase activity.

56. A method of treatment of a disorder that is mediated by histone deacetylase activity in a patient including administration of a therapeutically effective amount of a compound according to any one of claims 1 to 34 to the patient.

5 57. A method according to any one of claims 54 to 56 wherein the disorder is selected from the group consisting of proliferative disorders (e.g. cancer); Neurodegenerative diseases including Huntington's Disease, Polyglutamine diseases, Parkinson's Disease, Alzheimer's Disease, Seizures, Striatonigral degeneration, Progressive supranuclear palsy, Torsion dystonia, Spasmodic torticollis and dyskinesia, Familial tremor, Gilles de la

10 Tourette syndrome, Diffuse Lewy body disease, Progressive supranuclear palsy, Pick's disease, Intracerebral haemorrhage, Primary lateral sclerosis, Spinal muscular atrophy, Amyotrophic lateral sclerosis, Hypertrophic interstitial polyneuropathy, Retinitis pigmentosa, Hereditary optic atrophy, Hereditary spastic paraparesis, Progressive ataxia and Shy-Drager syndrome; Metabolic diseases including Type 2 diabetes; Degenerative

15 Diseases of the Eye including Glaucoma, Age-related macular degeneration, Rubeotic glaucoma, Intersitital keratitis, diabetic retinopathy; Inflammatory diseases and/or Immune system disorders including Rheumatoid Arthritis (RA), Osteoarthritis, Juvenile chronic arthritis, Graft versus Host disease, Psoriasis, Asthma, Spondyloarthropathy, Crohn's Disease, Inflammatory bowel disease, Colitis Ulcerosa, Alcoholic hepatitis, Diabetes,

20 Sjogrens's syndrome, Multiple Sclerosis, Ankylosing spondylitis, Membranous glomerulopathy, Discogenic pain, Systemic Lupus Erythematosus; Disease involving angiogenesis including cancer, psoriasis, rheumatoid arthritis; Psychological disorders including bipolar disease, schizophrenia, mania, depression and dementia; Cardiovascular Diseases including Heart failure, restenosis and arteriosclerosis; Fibrotic

25 diseases including liver fibrosis, cystic fibrosis and angiomyoma; Infectious diseases including Fungal infections, such as Candida Albicans, Bacterial infections, Viral infections, such as Herpes Simplex, Protozoal infections, such as Malaria, Leishmania infection, Trypanosoma brucei infection, Toxoplasmosis and coccidioides and Haematopoietic disorders including thalassemia, anemia and sickle cell anemia.

30

58. A method for inhibiting cell proliferation including administration of an effective amount of a compound according to any one of claims 1 to 34.

59. A method of treatment of a neurodegenerative disorder in a patient including administration of a therapeutically effective amount of a compound according to any one of claims 1 to 34 to the patient.

60. A method according to claim 59 wherein the neurodegenerative disorder is Huntington's Disease.

61. A method of treatment of an inflammatory disease and/or immune system disorder in a patient including administration of a therapeutically effective amount of a compound according to any one of claims 1 to 34 to the patient.

62. A method according to claim 61 wherein the inflammatory disease and/or immune system disorder is rheumatoid arthritis.

63. A method according to claim 61 wherein the inflammatory disease and/or immune system disorder is systemic lupus erythematosus.

64. A method of treatment of a proliferative disorder in patient including administration of a therapeutically effective amount of a compound according to any one of claims 1 to 34 to the patient.

65. A method of treatment of cancer in patient including administration of a therapeutically effective amount of a compound according to any one of claims 1 to 34 to the patient.

66. A method according to claim 65 wherein the cancer is a hematologic malignancy.

67. A method according to claim 66 wherein the hematologic malignancy is selected from a group consisting of B-cell lymphoma, T-cell lymphoma and leukemia.

68. A method according to claim 65 wherein the cancer is a solid tumor.

69. A method according to claim 67 wherein the solid tumor is selected from a group consisting of breast cancer, lung cancer, ovarian cancer, prostate cancer, head and neck cancer, renal cancer, gastric cancer, colon cancer, pancreatic cancer and brain cancer.

70. Use of a compound according to claims 1 to 34 in the manufacture of medicaments for the induction of apoptosis of tumor cells.

71. Use of a compound according to any one of claims 1 to 34 in the preparation of a medicament for the treatment of cancer.

72. A use according to claim 72 wherein the cancer is a hematologic malignancy.

73. A use according to claim 72 wherein the hematologic malignancy is selected from the group consisting of B-cell lymphoma, T-cell lymphoma and leukemia.

5 74. A use according to claim 71 wherein the cancer is a solid tumor.

75. A use according to claim 74 wherein the solid tumor is selected from a group consisting of breast cancer, lung cancer, ovarian cancer, prostate cancer, head and neck
10 cancer, renal cancer, gastric cancer, colon cancer, pancreatic cancer and brain cancer.

76. A method for the induction of apoptosis of tumor cells including contacting the tumor cells with an effective amount of a compound according to any one of claims 1 to 34.